Figures and figure supplements

Personality links with lifespan in chimpanzees

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Figure 1. Survival curves of captive and wild chimpanzees. Lines indicate survival probability of each group over the lifespan. The solid lines represent the captive population used in this study and the dashed line corresponds to a wild group (Bronikowski et al., 2011). The shaded areas indicated the 95% confidence region for each group.

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Figure 2. Personality’s relationship with age and sex. Each panel shows the personality scores of a specific dimension for all individuals in a scatterplot against age on the left, and on the right with bean plots showing the distribution of scores split by sex (females are on the left, males on the right). Relationships between age and each personality dimensions are illustrated in the figure supplements.

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Figure 2—figure supplement 1. Generalized additive model of dominance and age at personality rating. The carpet and scatter plot present the distribution of observations over which the best fit smoothed regression line is plotted with the 95% confidence region.

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Figure 2—figure supplement 2. Generalized additive model of extraversion and age at personality rating. The carpet and scatter plot present the distribution of observations over which the best fit smoothed regression line is plotted with the 95% confidence region.

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Figure 2—figure supplement 3. Generalized additive model of conscientiousness and age at personality rating. The carpet and scatter plot present the distribution of observations over which the best fit smoothed regression line is plotted with the 95% confidence region.

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Figure 2—figure supplement 4. Generalized additive model of agreeableness and age at personality rating. The carpet and scatter plot present the distribution of observations over which the best fit smoothed regression line is plotted with the 95% confidence region.
DOI: https://doi.org/10.7554/eLife.33781.008
Figure 2—figure supplement 5. Generalized additive model of neuroticism and age at personality rating. The carpet and scatter plot present the distribution of observations over which the best fit smoothed regression line is plotted with the 95% confidence region.
DOI: https://doi.org/10.7554/eLife.33781.009
Figure 2—figure supplement 6. Generalized additive model of openness and age at personality rating. The carpet and scatter plot present the distribution of observations over which the best fit smoothed regression line is plotted with the 95% confidence region.

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Figure 3. Conditional inference tree diagram indicating variables influencing survival. Bottom panes indicate the survival curves of and number of chimpanzees in each sub-group. Sub-groups were split based on the growth of the tree and decision criteria are indicated below each node. Splits in numeric variables (e.g. agreeableness) are by standard deviations.

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